

What is claimed.

1. A kind of universal wheel, which consists of big and small drum-shaped rollers, bat-shaped brackets, long and short mandrels, side panels, bearings, a central shaft and a wheel carrier, which is characterized that the outer edge of the wheels is the wheel rim constituted by big and small drum-shaped rollers; a long mandrel is disposed at the center of the small drum-shaped roller and which is installed on the bat-shaped brackets, the lower parts of the left and right side of the bat-shaped brackets are each provided with one shaft hole respectively for fitting the short mandrels of the big drum-shaped roller, the big drum-shaped roller is fit over the short mandrel, the two ends of the big drum-shaped roller are provided with the grooves for inserting the left end or the right end of the bat-shaped brackets and the big drum-shaped roller is supported between the two bat-shaped brackets, the big and small drum-shaped rollers are supported by the bat-shaped brackets and constitute the wheel rim; the bearings are provided at the center of the side panels and with the center of the bearings as the central shaft installing wheel carrier there on.
2. The universal wheel as claimed in the claim 1, wherein the said left end of the long mandrel is the shaft head in half-moon shape fitted with the same shape shaft hole on the base at the left side of the bat-shaped bracket, and the shaft hole at the right base of the bat-shaped bracket is connected with the shaft head of the long mandrel and to be riveted together.
3. The universal wheel as claimed in the claim 1, wherein the shaft heads at the two ends of the short mandrel are machined into half-moon shape to be connected with the shaft holes in the same shape at the tilted lower part of the bat-shaped brackets.

4. The universal wheel as claimed in the claim 1, wherein the two sides at the middle part of the said bat-shaped brackets are provided with protruding stages in flat trapezia shape, and also the groove holes in flat trapezia shape are provided at the two side panels in the corresponding positions with the above flat protruding stages on the bat-shaped brackets, the flat trapezia groove holes at the two side panels are fixed with the same shape protruding stages at the bat-shaped brackets by insertion, and the wheel rim constructed by the big and small drum-shaped rollers together with bat-shaped bracket is fixed between the two side panels.

5 10 5. The universal wheel as claimed in the claim 1, wherein the said big and small drum-shaped rollers are three to thirty pairs.